

CLAIMS

1. A heat resistant magnesium die casting alloy comprising, by wt%, the following composition:
Al: over 6% to not more than 10%,
5 Ca: 1.8 to 5%,
Sr: 0.05 to 1.0%,
Mn: 0.1 to 0.6%, and
Bal: Mg and unavoidable impurities,
the ratio Ca/Al of the Ca content to the
10 Al content being 0.3 to 0.5.
2. A heat resistant magnesium die casting alloy as set forth in claim 1, wherein Ca: over 2% to not more than 5%.
3. A heat resistant magnesium die casting alloy as
15 set forth in claim 1, wherein Ca: 2.5 to 3.5%.
4. A heat resistant magnesium die casting alloy as set forth in any one of claims 1 to 3, further comprising a rare earth metal in an amount of 0.1 to 3 wt%.
5. A die cast product comprised of a magnesium
20 alloy as set forth in any one of claims 1 to 4.